

compromise between melt strength and drawability, and processing the blend in the melt by drawing and cooling the blend to form a solid product.

~~22~~²¹
~~25~~. A method according to claim ~~34~~²¹ wherein the dispersion index is greater than 15.

~~23~~²¹
~~36~~. A method according to claim ~~34~~²¹ wherein the ratio of M_z/M_n is from 50-150.

~~24~~²³
~~37~~. A method according to claim ~~36~~²³ wherein the dispersion index is greater than 15.

~~25~~²¹
~~38~~. A method according to claim ~~34~~²¹ wherein the blend is bimodal and comprises from 50 to 70 wt.% of a first high molecular weight fraction and from 50 to 30 wt.% of a second low molecular weight fraction.

~~26~~²⁵
~~39~~. A method according to claim ~~38~~²⁵ wherein the ratio of the melt flow indexes of the first and second fraction is at least 5.

~~27~~²¹
~~40~~. A method according to claim ~~34~~²¹ wherein the blend comprises from 55 to 60 wt.% of the first fraction and from 45 to 35 wt.% of the second fraction.

~~28~~²¹
~~41~~. A method according to claim ~~34~~²¹ wherein the blend has been formed by reactive extrusion of a mixture of at least two fractions together with a mixture of a chain scission agent and a chain grafting agent.

~~29~~²⁸
~~42~~. A method according to claim ~~41~~²⁸ wherein the chain scission agent comprises 2,5-dimethyl-2,5-di(tert-butylperoxy) hexane.

~~30~~²⁸
~~43~~. A method according to claim ~~41~~²⁸ wherein the chain grafting agent is selected from the group consisting of allyl methacrylate and divinyl benzene.

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44. A method according to claim ²¹34 wherein the polypropylene has a bimodal molecular weight distribution.

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45. A method according to claim ²¹34 wherein said solid particle is selected from the group consisting of spun fibers, blown films, foams, thermoformed articles, and extrusions.

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46. A multimodal polypropylene blend useful in melt processing and providing for enhancing a compromise between melt strength and drawability, said blend having a dispersion index of at least 8 and a ratio M_z/M_n of at least 10.

34
47. A multimodal polypropylene blend according to claim ³³46 wherein the dispersion index is greater than 15.

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48. A multimodal polypropylene blend according to claim ³³46 wherein the ratio M_z/M_n is from 50-150.

36
49. A multimodal polypropylene blend according to claim ³⁵48 wherein the dispersion index is greater than 15.

37
50. A multimodal polypropylene blend according to claim ³³46 wherein the blend is bimodal and comprises from 50 to 70 wt.% of a first high molecular weight fraction and from 50 to 30 wt.% of a second low molecular weight fraction.

38
51. A multimodal polypropylene blend according to claim ³⁷50 wherein the ratio of the melt flow indexes of the first and second fractions is at least 5.

39
52. A multimodal polypropylene blend according to claim ³⁷50 wherein the blend comprises from 55 to 65 wt.% of the first fraction and from 45 to 35 wt.% of the second fraction.